

Problem statement-1 Hibernate

Html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="init">Initialize Hibernate</a>
</body>
</html>
```

Class file

```
package com;

import org.hibernate.SessionFactory;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
import org.hibernate.boot.registry.StandardServiceRegistry;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

public class HibernateUtil {

    private static final SessionFactory sessionFactory;

    static {
        try {
            StandardServiceRegistry standardRegistry = new
StandardServiceRegistryBuilder()
                .configure("hibernate.cfg.xml").build();
            Metadata metaData = new
MetadataSources(standardRegistry).getMetadataBuilder().build();
            sessionFactory = metaData.getSessionFactoryBuilder().build();
        } catch (Throwable th) {
            throw new ExceptionInInitializerError(th);
        }
    }

    public static SessionFactory getSessionFactory() {
        return sessionFactory;
    }
}
```

```
}
```

Servlet

```
package com;
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import javax.servlet.ServletException;
```

```
import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;
```

```
import org.hibernate.Session;
```

```
import org.hibernate.SessionFactory;
```

```
public class InitHibernate extends HttpServlet {  
    private static final long serialVersionUID = 1L;
```

```
//    public InitHibernate() {
```

```
//        super();
```

```
//    }
```

```
    protected void doGet(HttpServletRequest request, HttpServletResponse  
response) throws ServletException, IOException {
```

```
        try {
```

```
            PrintWriter out = response.getWriter();
```

```
            out.println("<html><body>");
```

```
            SessionFactory factory = HibernateUtil.getSessionFactory();
```

```
            Session session = factory.openSession();
```

```
            out.println("Hibernate Session opened.<br>");
```

```
            session.close();
```

```
            out.println("Hibernate Session closed.<br>");
```

```
out.println("</body></html>");
```

```
    } catch (Exception ex) {  
        throw ex;  
    }  
  
}
```

```
//    protected void doPost(HttpServletRequest request, HttpServletResponse  
response) throws ServletException, IOException {  
//    }  
  
}
```

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Initialize Hibernate

Hibernate Session opened.
Hibernate Session closed.